

ATTACHMENT A

NORMAN RESERVE, NORMAN STREET, ST MARYS – The results from the community consultation, held in May, on the proposed water sensitive urban design features for Norman Reserve, showed an overwhelming preference for the concept and features of Option 1. At the Council meeting held on 28 June 2016 Council resolved to endorse construction of water sensitive urban design stormwater features in Norman Street Reserve, St Marys in accordance with Option 1. The stormwater management improvements in Norman Reserve include the following Option 1 features:

- **FEATURE A** - Rain Garden. Vegetated with local indigenous sedges, rushes and reeds; Grassed open space to allow pooling to 100mm depth; Series of gravel filled soakage trenches beneath pooling area; new compacted gravel footpath
- **FEATURE B** - Rain Garden; Vegetated with local indigenous sedges, rushes and reeds; grass lined swale to allow seepage and overflow for uniform overland flow with gravel filled soakage trench under; gravel filled soakage trenches to maximise infiltration into soil; new compacted gravel footpath.
- **FEATURE C** - Swale connection to new stormwater management in Dorene Street and Auricchio Avenue; gravel filled soakage trench under swale; formed localised long, grass lined swale to allow seepage and overflow for uniform overland flow; gravel filled soakage trenches to maximise infiltration into soil. Swale to intercept excess stormwater flows; discharge excess stormwater flow to street kerb and gutter.
- **FEATURE D** - Widen out grassed swale from Feature A to enter into open space; gravel filled soakage bed beneath pooling area; discharge excess stormwater flow to street kerb and gutter.

The Rain Gardens will provide a focal point containing a mixed palette of drought tolerant indigenous plant species which co-habit successfully while providing a sustainable environment for local native wildlife.



Option 1 achieves the optimal environmental benefits for the Reserve by diverting the maximum amount of stormwater from the road network.